

Data File : VU026866.D
Acq On : 18 Sep 2018 16:47
Operator : MD/SY
Sample : J4896-16 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08N7

Quant Time: Sep 19 05:09:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 05:05:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	236028	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	234506	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	116856	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70704	40.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.00%
7) Chloroethane-d5	1.68	69	65560	43.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.74%
11) 1,1-Dichloroethene-d2	2.27	63	106572	32.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.52%
21) 2-Butanone-d5	4.18	46	127473	110.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.02%
24) Chloroform-d	4.65	84	146189	45.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.28%
26) 1,2-Dichloroethane-d4	5.31	65	98384	48.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.48%
32) Benzene-d6	5.34	84	299982	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.30%
36) 1,2-Dichloropropane-d6	6.33	67	99748	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.22%
41) Toluene-d8	7.57	98	257139	43.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.62%
43) trans-1,3-Dichloropropene-	7.85	79	40603	42.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.90%
47) 2-Hexanone-d5	8.31	63	88906	106.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.83%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	138092	46.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.54%
64) 1,2-Dichlorobenzene-d4	11.48	152	108729	44.73	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.46%

Target Compounds

					Qvalue	
8) Chloroethane	1.40	64	1039	0.749	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1018	0.625	ug/L #	18
13) Acetone	2.32	43	936	0.822	ug/L	91
25) Chloroform	4.68	83	3240	0.984	ug/L	94
27) 1,2-Dichloroethane	5.40	62	1571	0.611	ug/L #	72
33) Benzene	5.39	78	180751	24.861	ug/L	100
37) 1,2-Dichloropropane	6.33	63	10811	5.413	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2286	0.810	ug/L #	71
44) trans-1,3-Dichloropropene	7.85	75	1598	0.605	ug/L	83
51) Chlorobenzene	9.12	112	3067987	614.531	ug/L	98
59) 1,2,3-Trichloropropane	11.42	75	41927	17.525	ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	147669	41.453	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	748856	190.909	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1045673	265.101	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	1901	3.177	ug/L #	1
67) 1,3,5-Trichlorobenzene	13.50	180	359728	130.495	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	359728	151.432	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091818\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.99	180	84188	32.183	ug/L	97

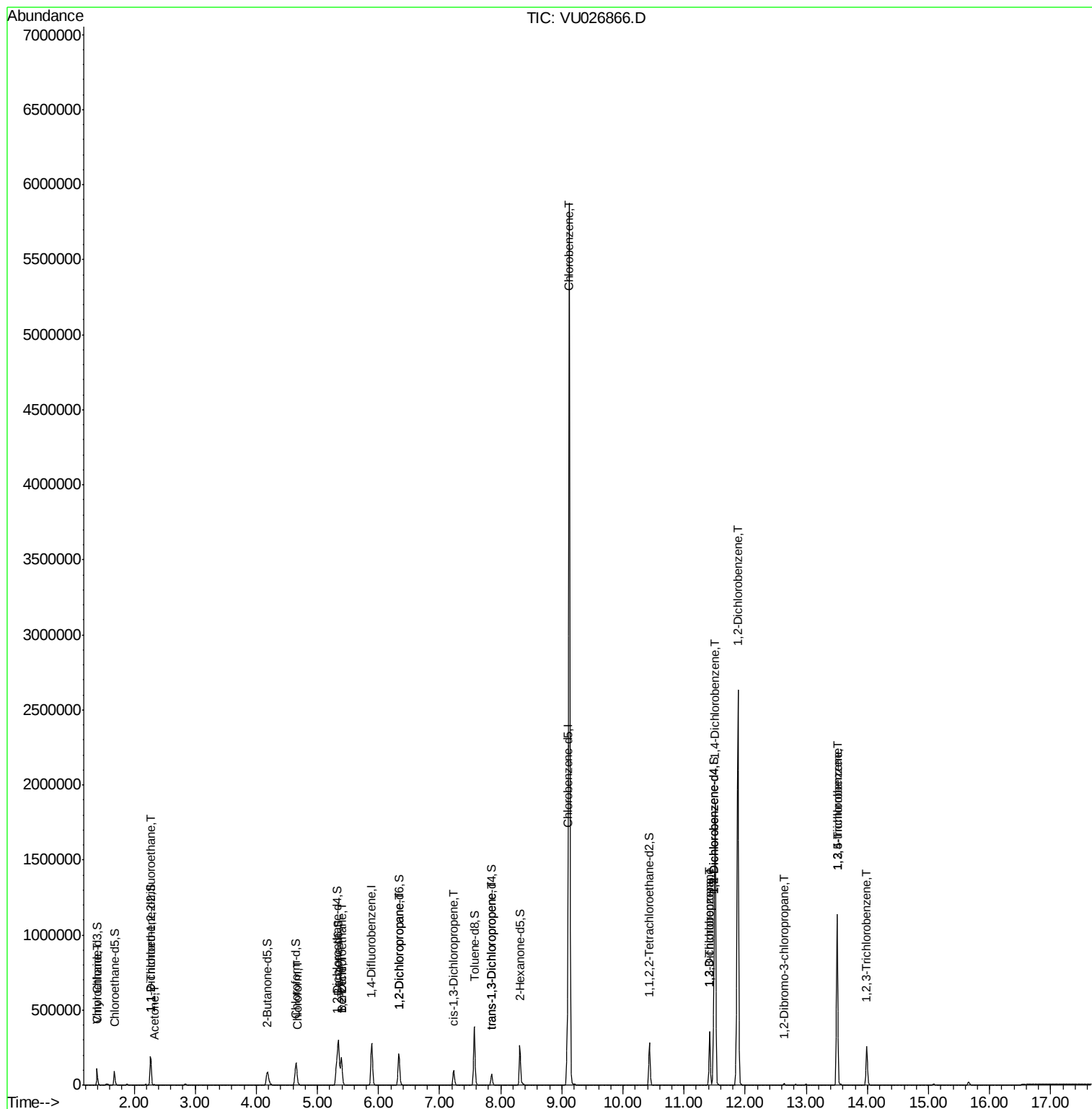
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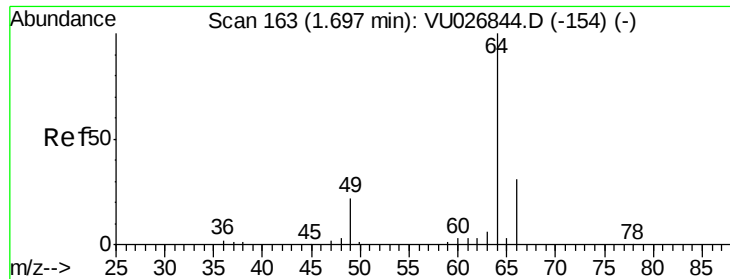
Data File : VU026866.D

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Instrument :
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Quant Time: Sep 19 05:09:25 2018
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 05:05:35 2018
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.749 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.30 min

Lab File: VU026866.D

Acq: 18 Sep 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

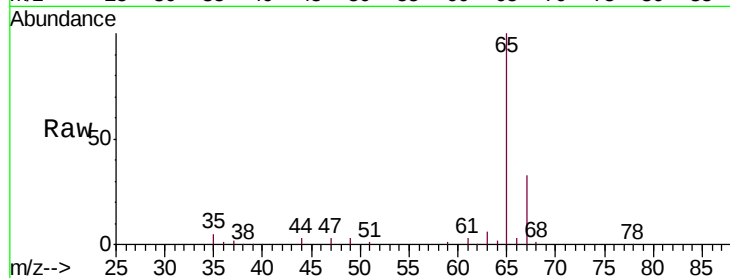
C08N7

Tgt Ion: 64 Resp: 1039

Ion Ratio Lower Upper

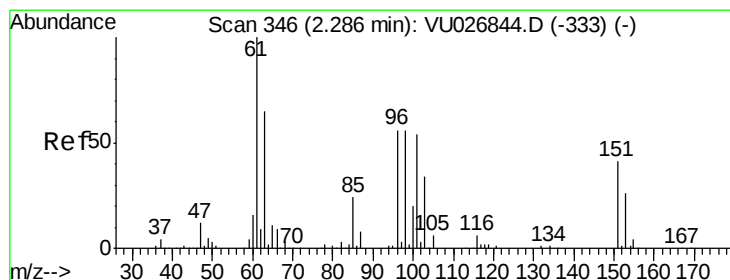
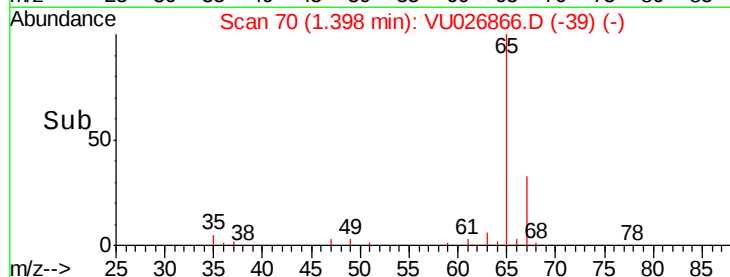
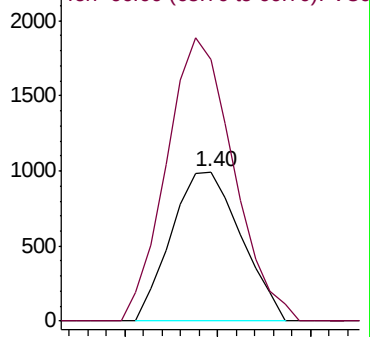
64 100

66 175.7 23.0 42.8#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.625 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU026866.D

Acq: 18 Sep 2018 16:47

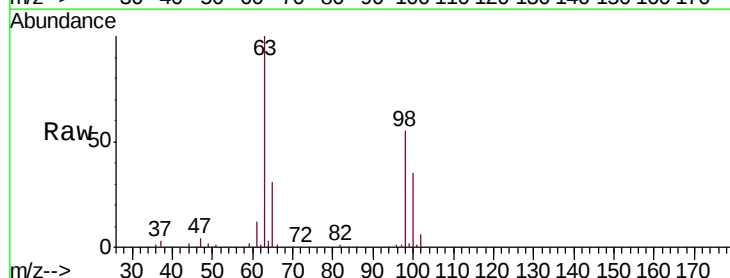
Tgt Ion: 101 Resp: 1018

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

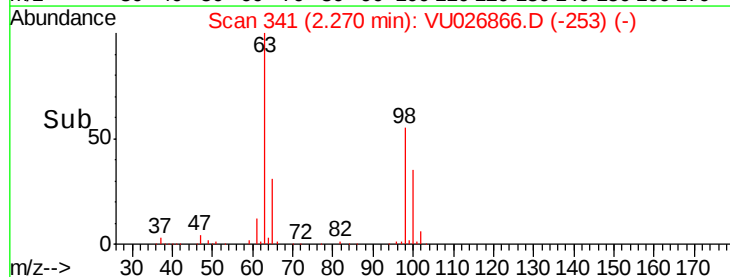
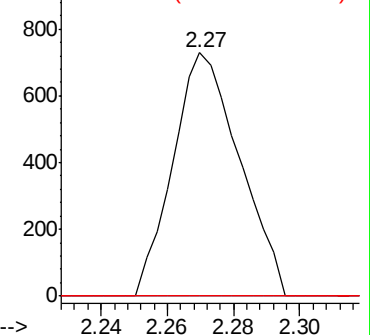
151 0.0 63.0 94.4#

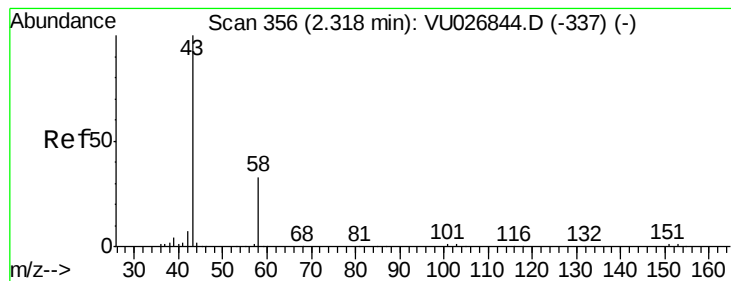


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 0.822 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026866.D

Acq: 18 Sep 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

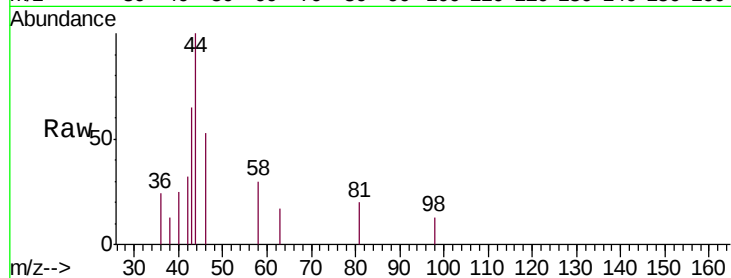
C08N7

Tgt Ion: 43 Resp: 936

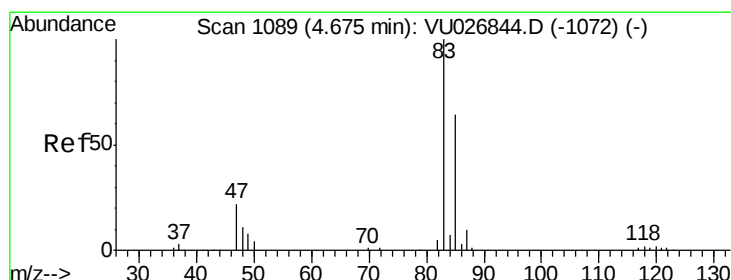
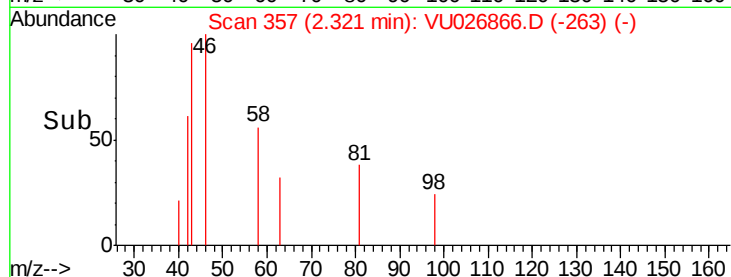
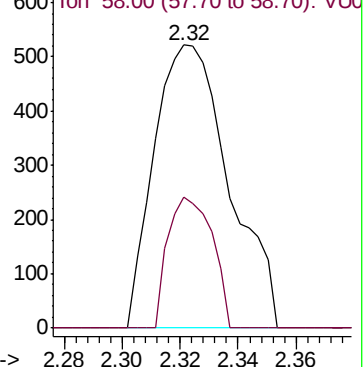
Ion Ratio Lower Upper

43 100

58 27.4 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU026844.D (-337) (-)



#25

Chloroform

Concen: 0.984 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU026866.D

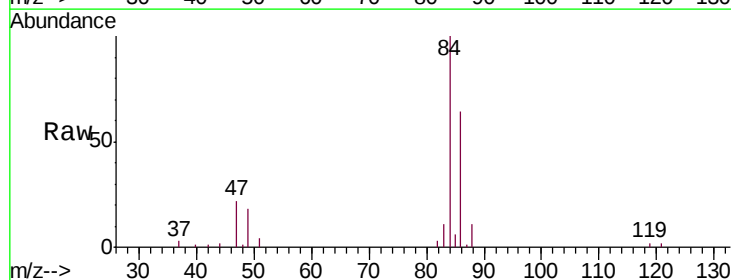
Acq: 18 Sep 2018 16:47

Tgt Ion: 83 Resp: 3240

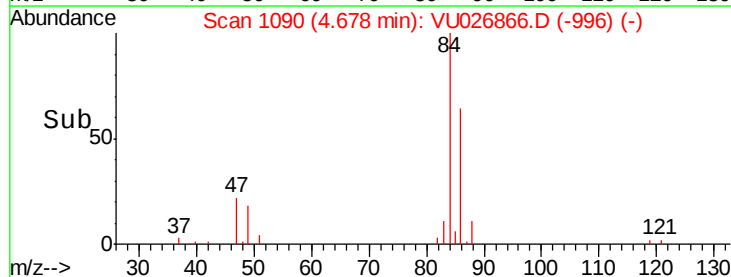
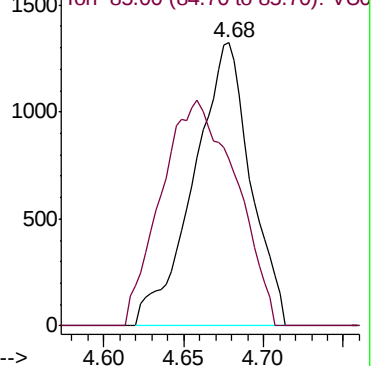
Ion Ratio Lower Upper

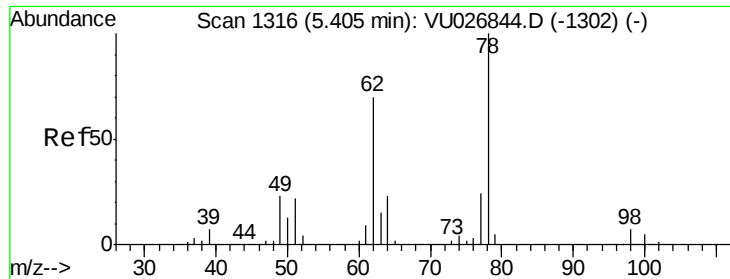
83 100

85 59.2 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VU026844.D (-1072) (-)

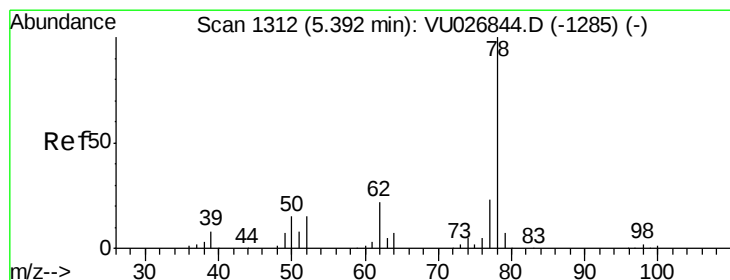
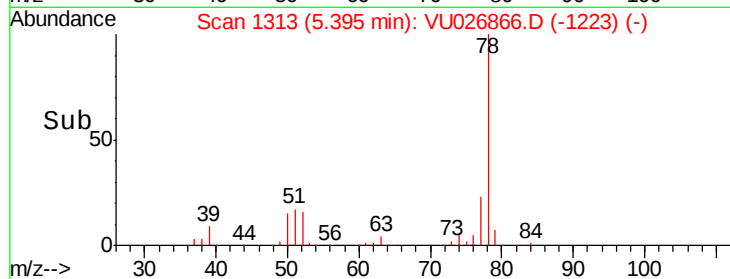
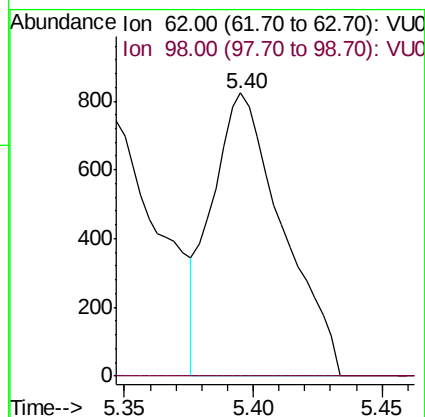
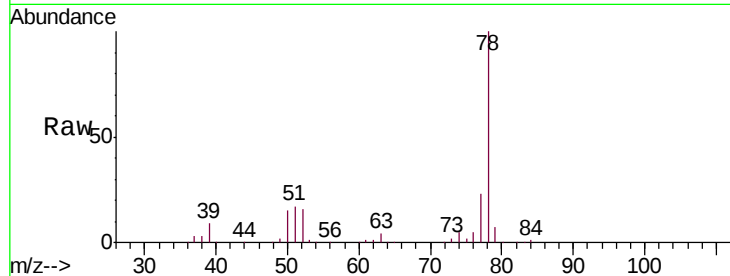




#27
 1,2-Dichloroethane
 Concen: 0.611 ug/L
 RT: 5.40 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: VU026866.D
 Acq: 18 Sep 2018 16:47

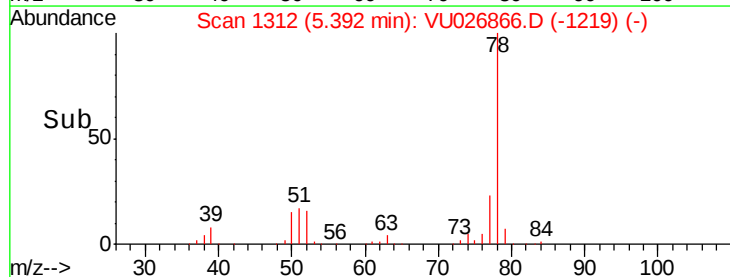
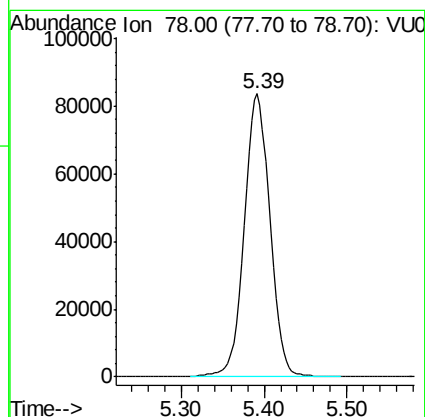
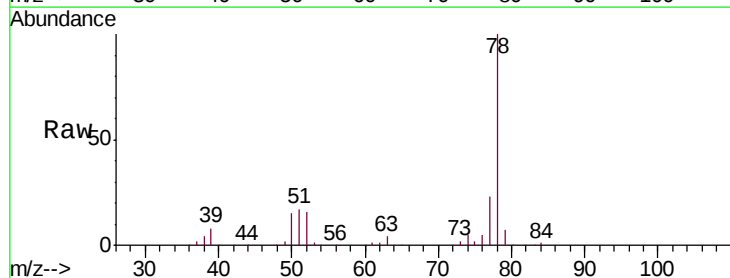
Instrument :
 MSVOA_U
 ClientSampleId :
 C08N7

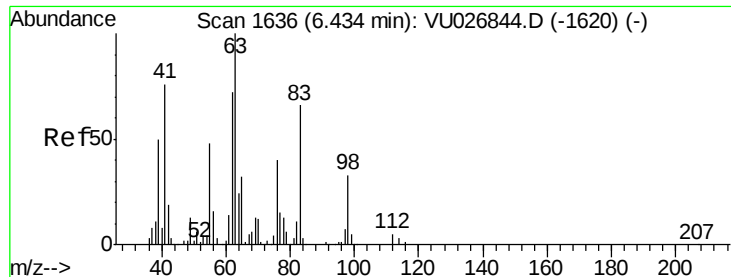
Tgt Ion: 62 Resp: 1571
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#



#33
 Benzene
 Concen: 24.861 ug/L
 RT: 5.39 min Scan# 1312
 Delta R.T. 0.00 min
 Lab File: VU026866.D
 Acq: 18 Sep 2018 16:47

Tgt Ion: 78 Resp: 180751





#37

1,2-Dichloropropane

Concen: 5.413 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026866.D

Acq: 18 Sep 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

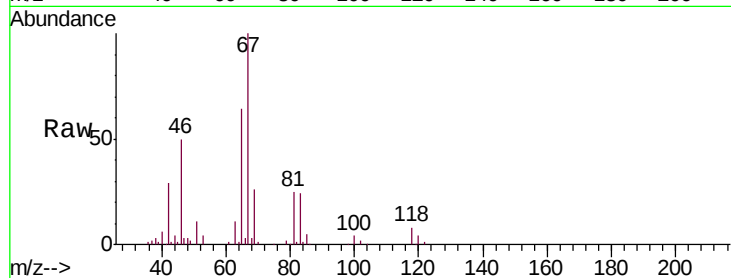
C08N7

Tgt Ion: 63 Resp: 10811

Ion Ratio Lower Upper

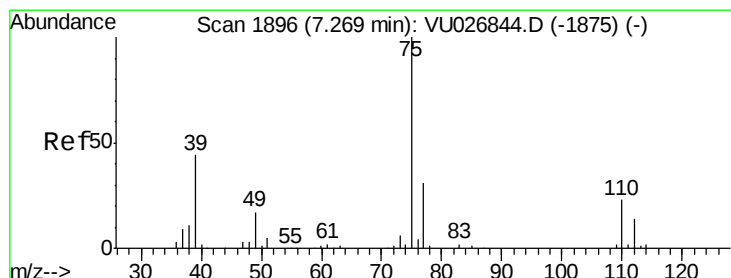
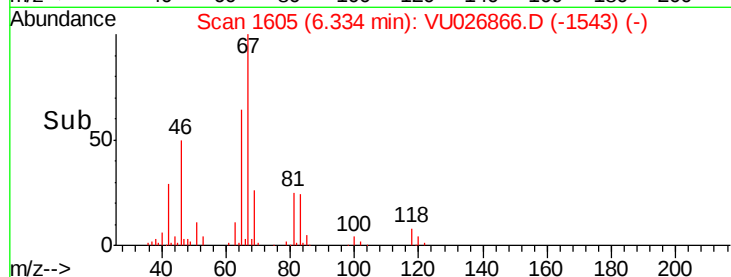
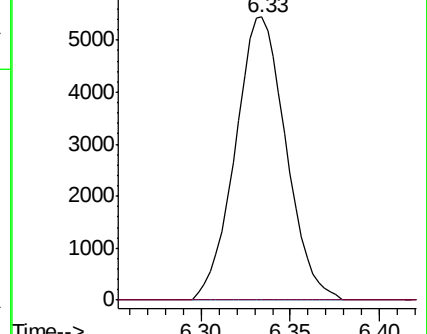
63 100

112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#39

cis-1,3-Dichloropropene

Concen: 0.810 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU026866.D

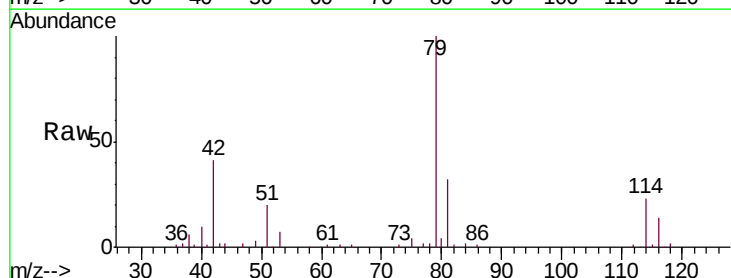
Acq: 18 Sep 2018 16:47

Tgt Ion: 75 Resp: 2286

Ion Ratio Lower Upper

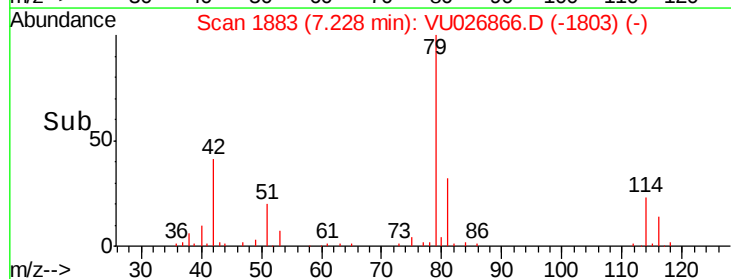
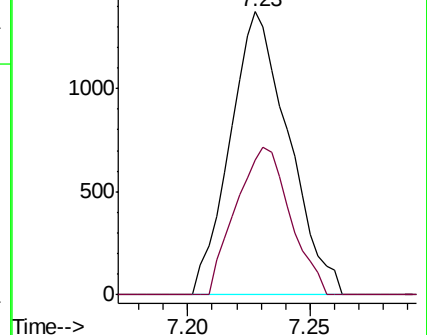
75 100

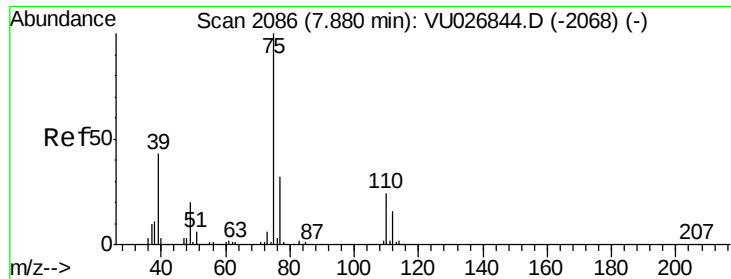
77 47.7 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.605 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU026866.D

Acq: 18 Sep 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

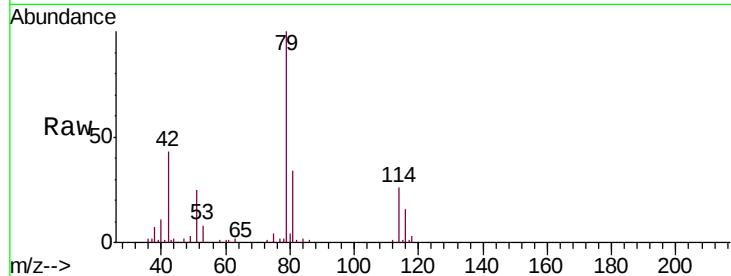
C08N7

Tgt Ion: 75 Resp: 1598

Ion Ratio Lower Upper

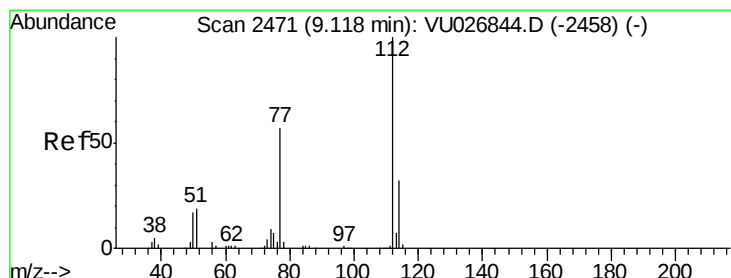
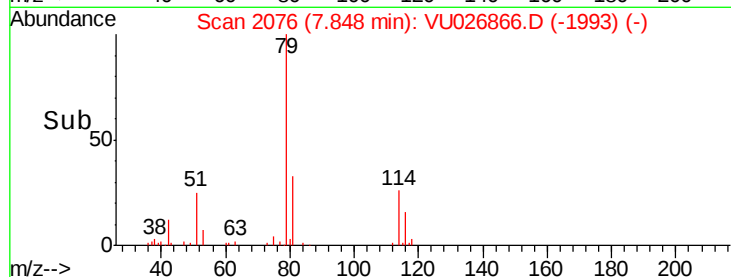
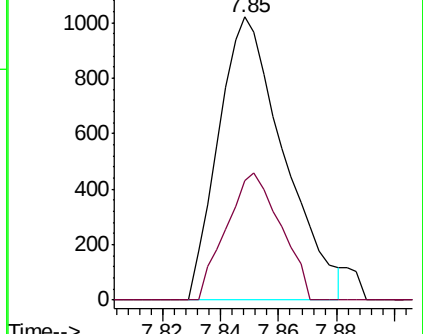
75 100

77 42.2 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU026844.D (-2068) (-)

Ion 77.00 (76.70 to 77.70): VU026844.D (-2068) (-)



#51

Chlorobenzene

Concen: 614.531 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026866.D

Acq: 18 Sep 2018 16:47

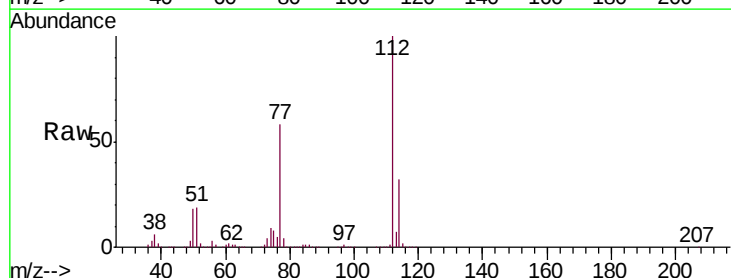
Tgt Ion: 112 Resp: 3067987

Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.5

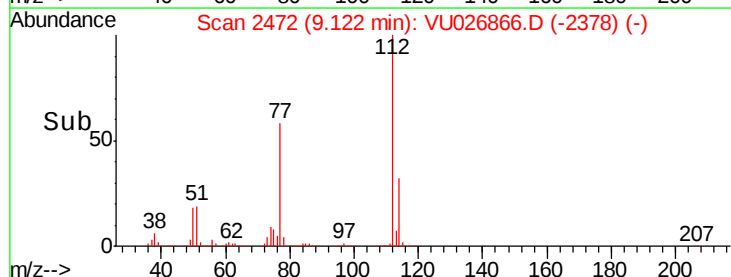
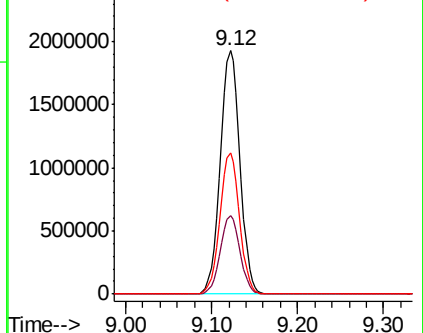
77 58.1 45.1 67.7

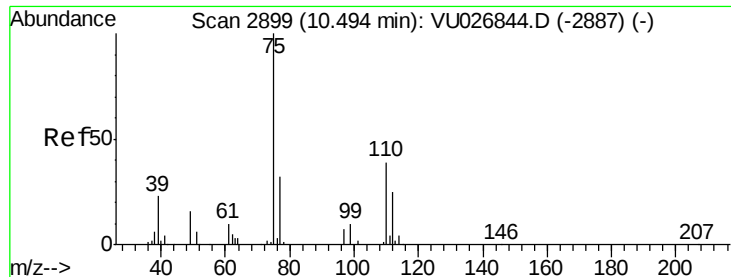


Abundance Ion 112.00 (111.70 to 112.70): VU026844.D (-2458) (-)

Ion 114.00 (113.70 to 114.70): VU026844.D (-2458) (-)

Ion 77.00 (76.70 to 77.70): VU026844.D (-2458) (-)





#59

1,2,3-Trichloropropane

Concen: 17.525 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026866.D

Acq: 18 Sep 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

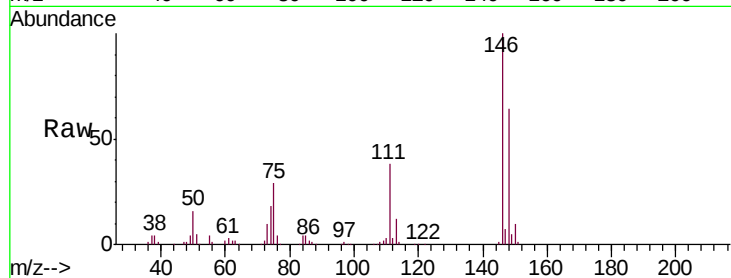
C08N7

Tgt Ion: 75 Resp: 41927

Ion Ratio Lower Upper

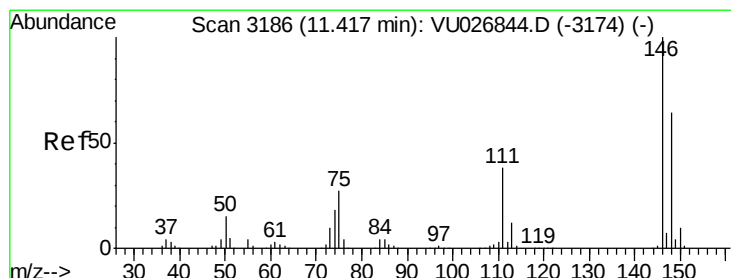
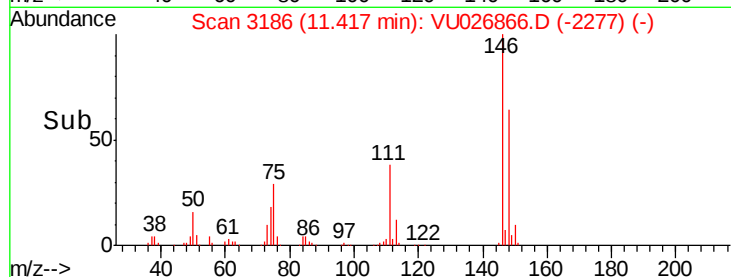
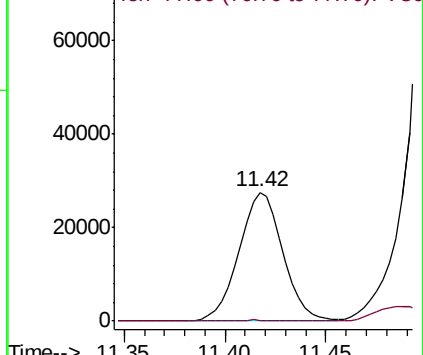
75 100

77 0.8 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#62

1,3-Dichlorobenzene

Concen: 41.453 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026866.D

Acq: 18 Sep 2018 16:47

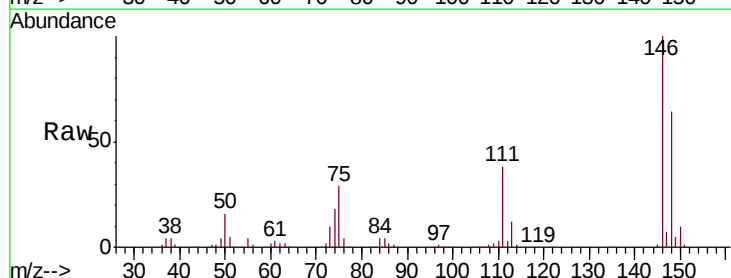
Tgt Ion: 146 Resp: 147669

Ion Ratio Lower Upper

146 100

111 38.5 26.7 49.7

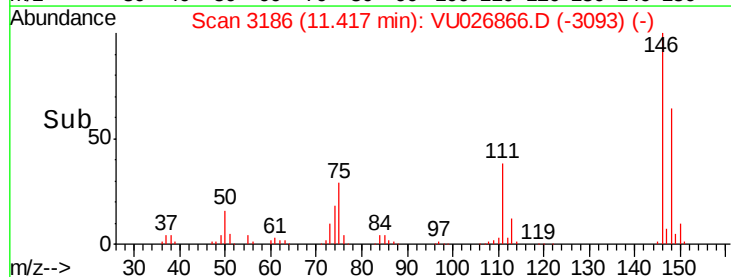
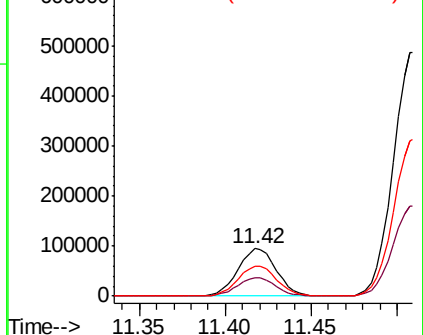
148 64.1 44.9 83.5

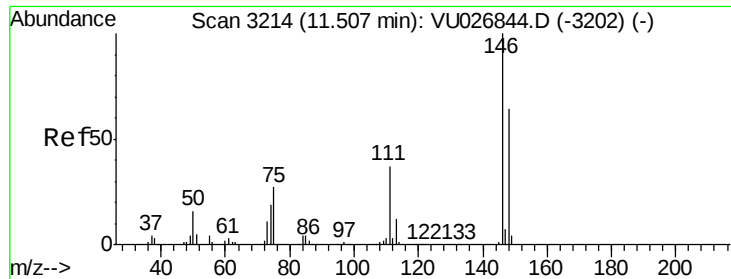


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

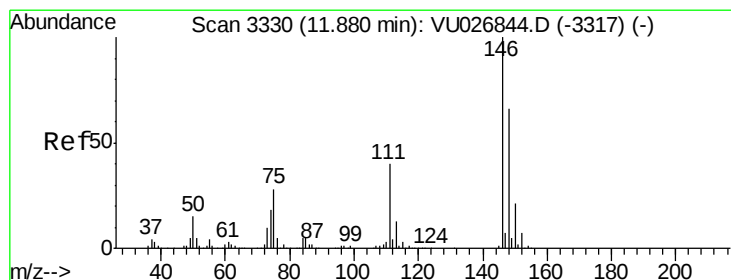
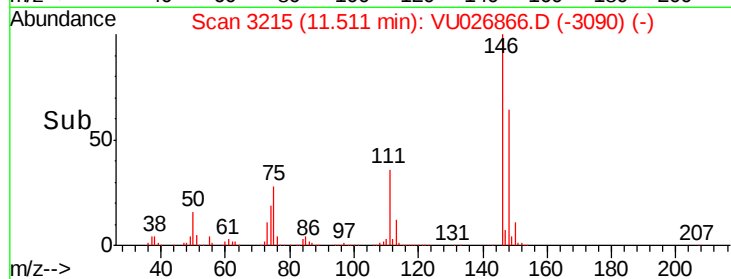
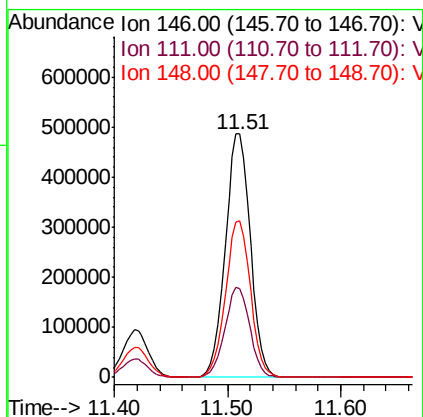
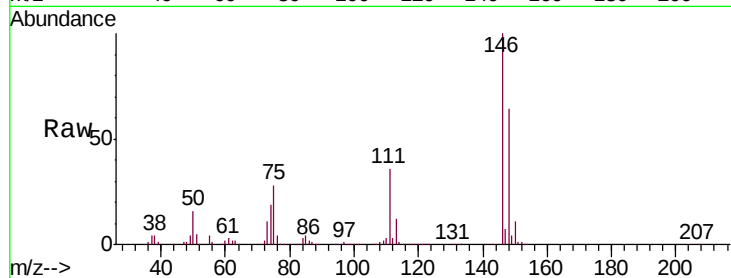




#63
 1,4-Dichlorobenzene
 Concen: 190.909 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026866.D
 Acq: 18 Sep 2018 16:47

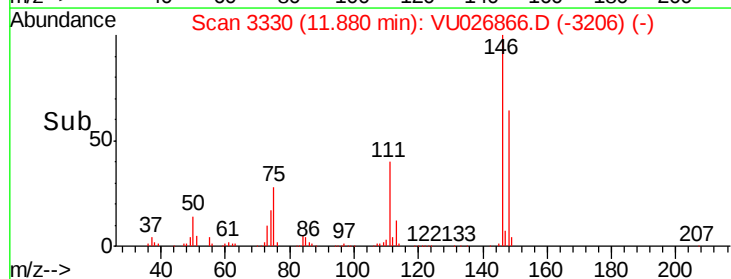
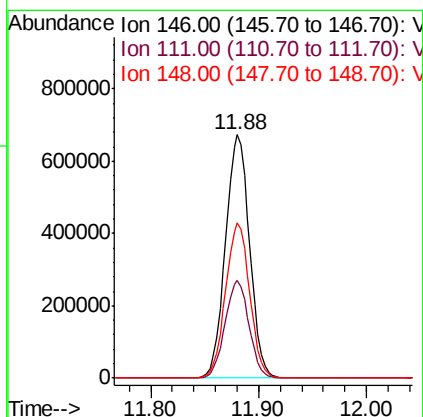
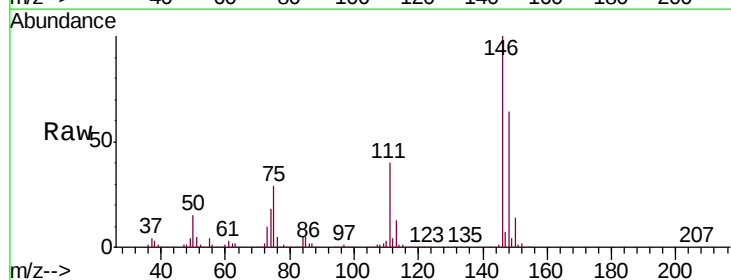
Instrument :
 MSVOA_U
 ClientSampleId :
 C08N7

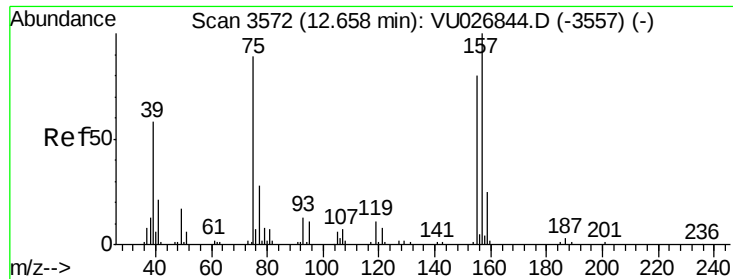
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	26.0	48.2
148	64.2	45.8	85.2



#65
 1,2-Dichlorobenzene
 Concen: 265.101 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026866.D
 Acq: 18 Sep 2018 16:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	31.4	47.0
148	63.7	51.4	77.2

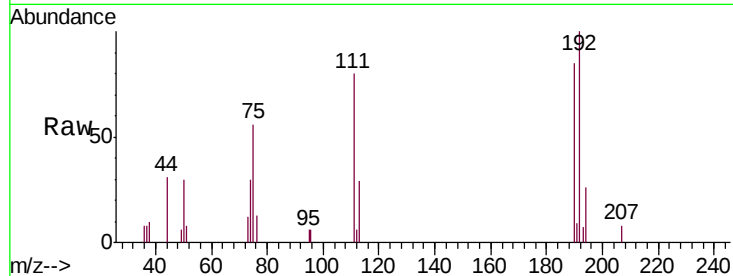




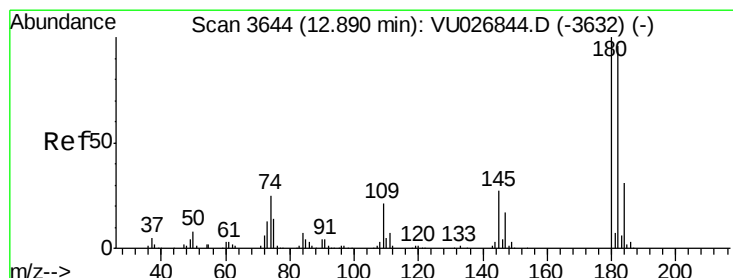
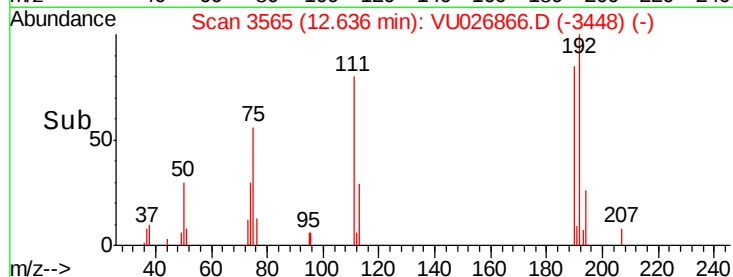
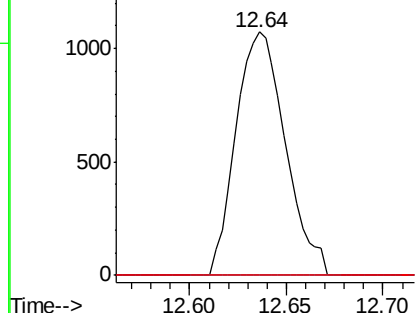
#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.177 ug/L
 RT: 12.64 min Scan# 3565
 Delta R.T. -0.02 min
 Lab File: VU026866.D
 Acq: 18 Sep 2018 16:47

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N7

Tgt Ion: 75 Resp: 1901
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.5 104.3#
 157 0.0 90.5 135.7#

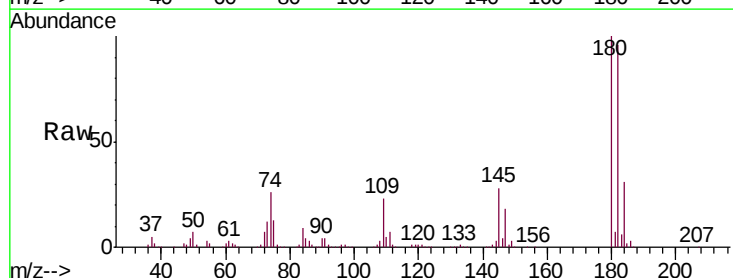


Abundance Ion 75.00 (74.70 to 75.70): VU026866.D (-3557) (-)
 Ion 155.00 (154.70 to 155.70): VU026866.D (-3557) (-)
 Ion 157.00 (156.70 to 157.70): VU026866.D (-3557) (-)

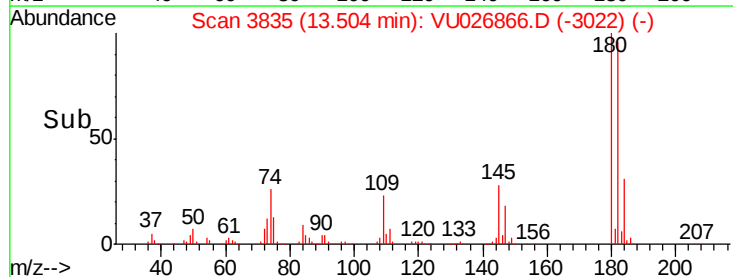
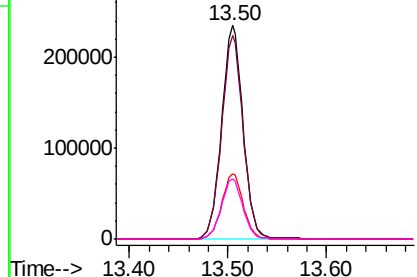


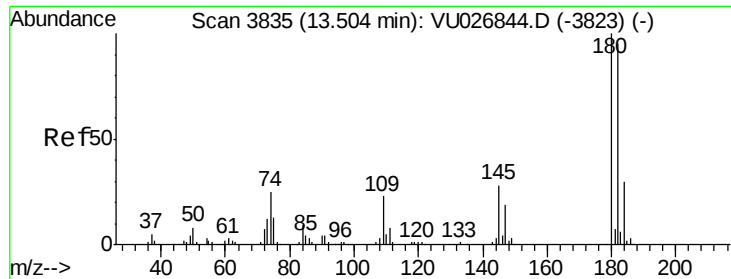
#67
 1,3,5-Trichlorobenzene
 Concen: 130.495 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.61 min
 Lab File: VU026866.D
 Acq: 18 Sep 2018 16:47

Tgt Ion: 180 Resp: 359728
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.7 115.1
 184 30.6 24.2 36.4
 145 27.9 21.8 32.6



Abundance Ion 180.00 (179.70 to 180.70): VU026866.D (-3632) (-)
 Ion 182.00 (181.70 to 182.70): VU026866.D (-3632) (-)
 Ion 184.00 (183.70 to 184.70): VU026866.D (-3632) (-)
 Ion 145.00 (144.70 to 145.70): VU026866.D (-3632) (-)

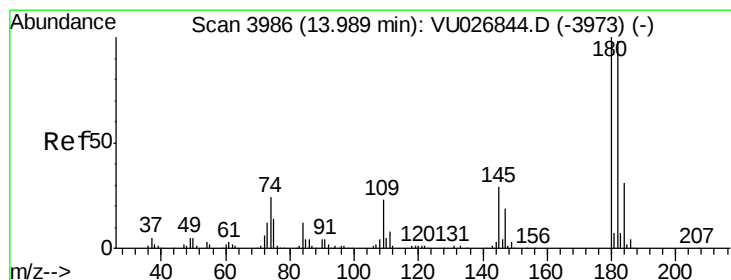
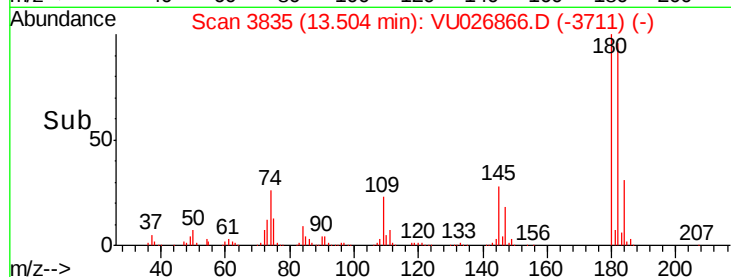
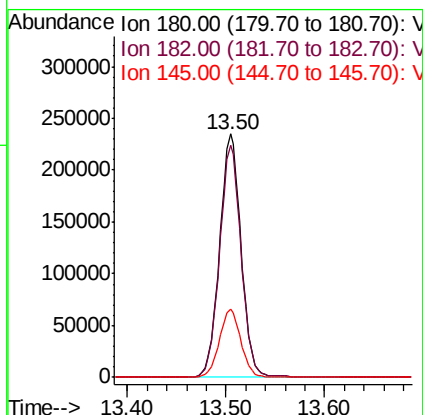
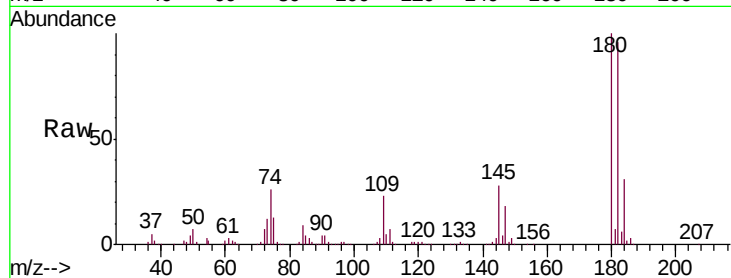




#68
 1,2,4-trichlorobenzene
 Concen: 151.432 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026866.D
 Acq: 18 Sep 2018 16:47

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N7

Tgt Ion:180 Resp: 359728
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.8 115.2
 145 27.9 22.2 33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 32.183 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026866.D
 Acq: 18 Sep 2018 16:47

Tgt Ion:180 Resp: 84188
 Ion Ratio Lower Upper
 180 100
 182 97.7 75.6 113.4
 145 29.3 23.8 35.6

